Ortgies

DEUTSCHE WERKE
AKTIENGESELLSCHAFT
WERK ERFURT

THE

ORTGIES PISTOL

PATENTED IN ALL COUNTRIES

6,35 mm GAUGE - 7 SHOT
7,65 mm GAUGE - 8 SHOT

Fig. A

Fig. B

IN THE ORTGIES AUTOMATIC PISTOL

all the improvements produced during the last few years have been utilized. All the defects, which previous pistols have shown, have been avoided and new features added, which, together with the most scrupulous care in construction and workmanship, as well as selection of material, make the Ortgies a weapen for self-protection of the first order.

THE MAIN ADVANTAGES OF THE ORTGIES PISTOL ARE THE FOLLOWING

1. Handsome outlines; no projecting corners; no openings through which dirt may get into the works; excellent balance.
2. Few and extremely solid parts. No screws to become loose or lost.

3. Dissembling and assembling without any tools whatever, therefore easy cleaning.

4. All parts are interchangeable.

5. A stationary barrel, extra strong, insuring greatest accuracy.

6. Safety, through partly uncocking firing pin spring and also blocking sear. No other Pistol has these features.

7. The Pistol can be unloaded when the safety is set.

8. When the Pistol is safe, it can be fired by grasping the handle firmly. In case of emergency, the owner does not have to think of unsafing the Pistol.

9. The Pistol cannot be safed when not cocked, as this is unnecessary.

10. Extremely easy cocking on account of flexible spring.

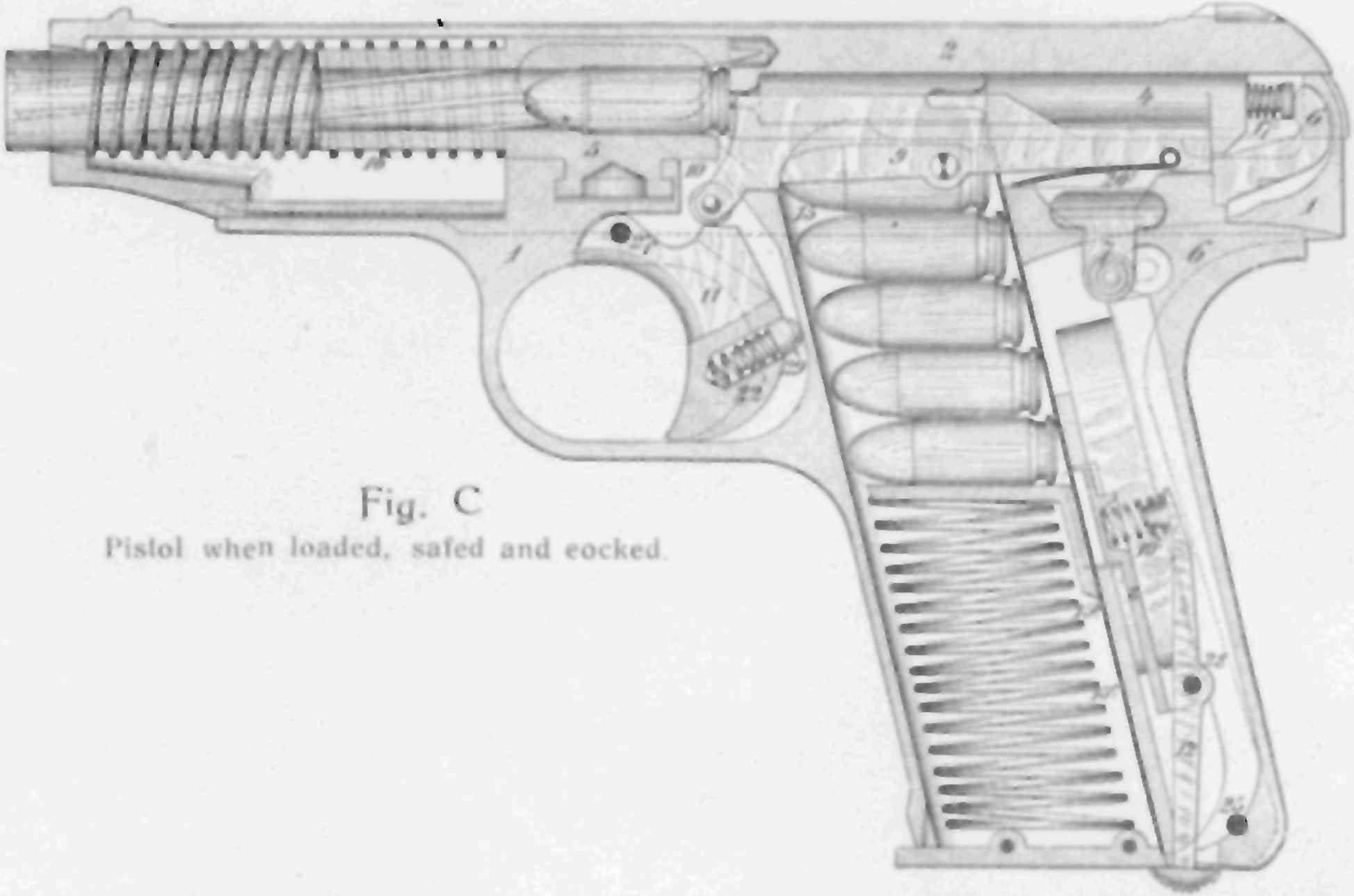


Fig. C

Pistol when loaded, safed and eocked.

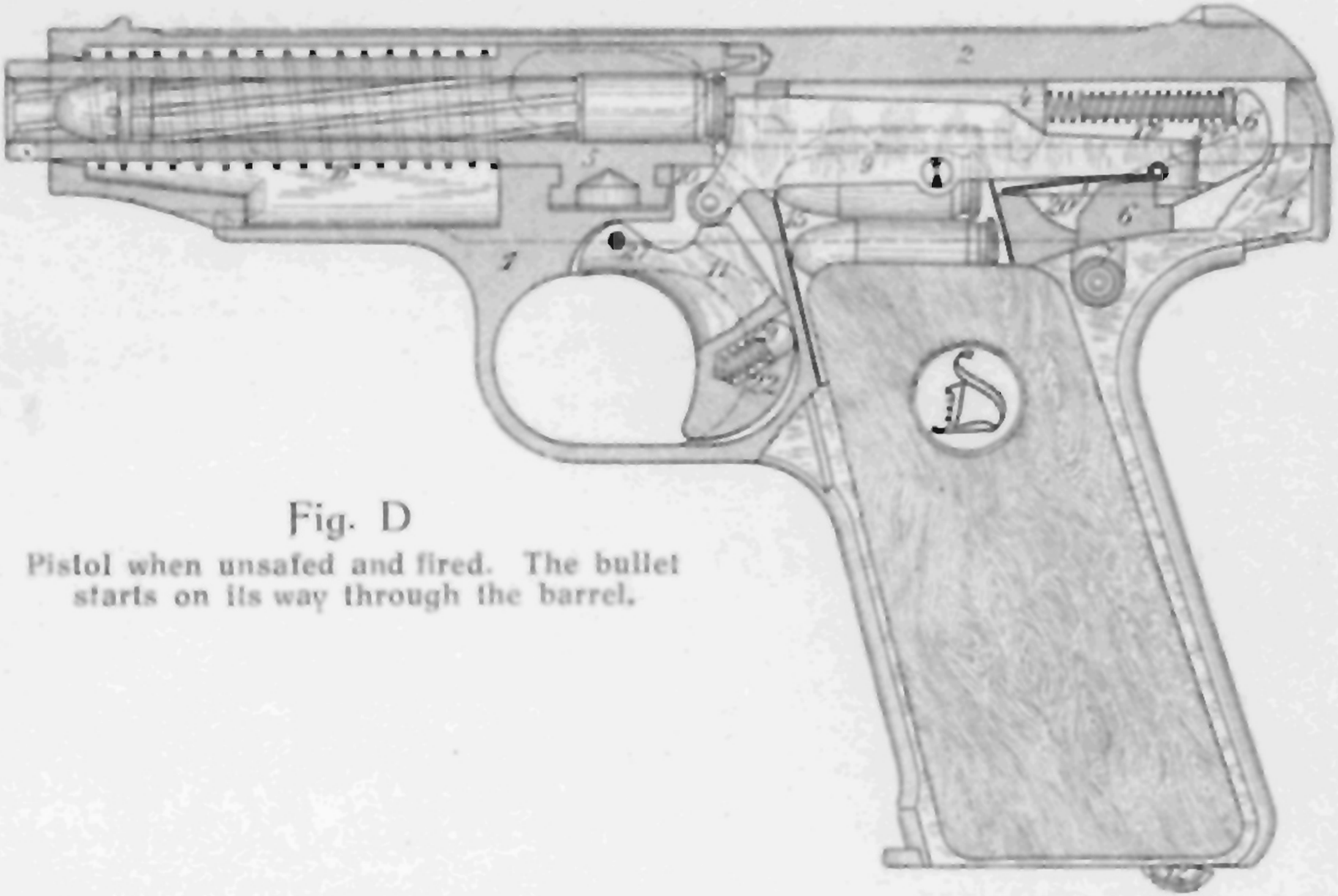


Fig. D

Pistol when unsafed and fired. The bullet starts on its way through the barrel.

DISMOUNTING AND REMOUNTING THE PISTOL

To dismount Locking Bolt (2). Remove magazine and any cartridge left in barrel. Pull the trigger to release the tension on the firing pin spring. Grasp pistol with right hand so that the thumb rests on safety, press same in as far as possible, grasp locking bolt with left hand, move back about $1^1/_2$ inches and lift off. See Figure E.

To dismount Barrel (5). Barrel can be removed by one quarter turn to left.

To dismount Grips (13, 14). Take the cleaning rod or similar instrument, insert same about $1^1/_2$ inches into the opening for the magazine,

and use it as a lever against the spring contained in frame. The grip on lower side will fall out by itself. Turn over and repeat operation. See Figure F.

To dismount Safety (6). After removing firing-pin (4) with attached firing pin spring (17) and guiding-pin (24) out of locking bolt, take firing-pin point and push lower pin (25) out of frame. Grasp frame with left hand, pressing in the safety ratchet (7) with thumb, then using the indexfinger to press back safety as far as possible. The safety can then be removed easily with the thumb nail. See Figure G.

Removal of Sear (9) and Interceptor (10). Grasp the Sear with thumb and index-finger of right hand, press to the right and pull upward. See Figure H. The rest of the parts are easily dismounted. The assembling is done in reverse order.

Fig. E
Removing
Locking Bolt.

Fig. F
Removing
Grips.

Attention should be paid that all spiral springs are so placed that the narrow ends fit round the respective parts (barrel, guiding pieces etc.) where-as the wider ends belong in their recesses.

To Fill Magazine (15). While pressing down the follower (15b) insert the cartridges in the magazine so far that they press against the backwall below the curved edges of the open part of the Magazine (Fig. L). After filling the magazine take the cleaning rod and press down the top cartridge till a resistance is felt, be sure that they are placed in the right position, one cartridge uniformly upon the other.

How to use the Pistol. The loading and unloading of the pistol is done in the same manner as with most automatic pistols. It is better not to load a cartridge into the barrel, except when intended for immediate use.

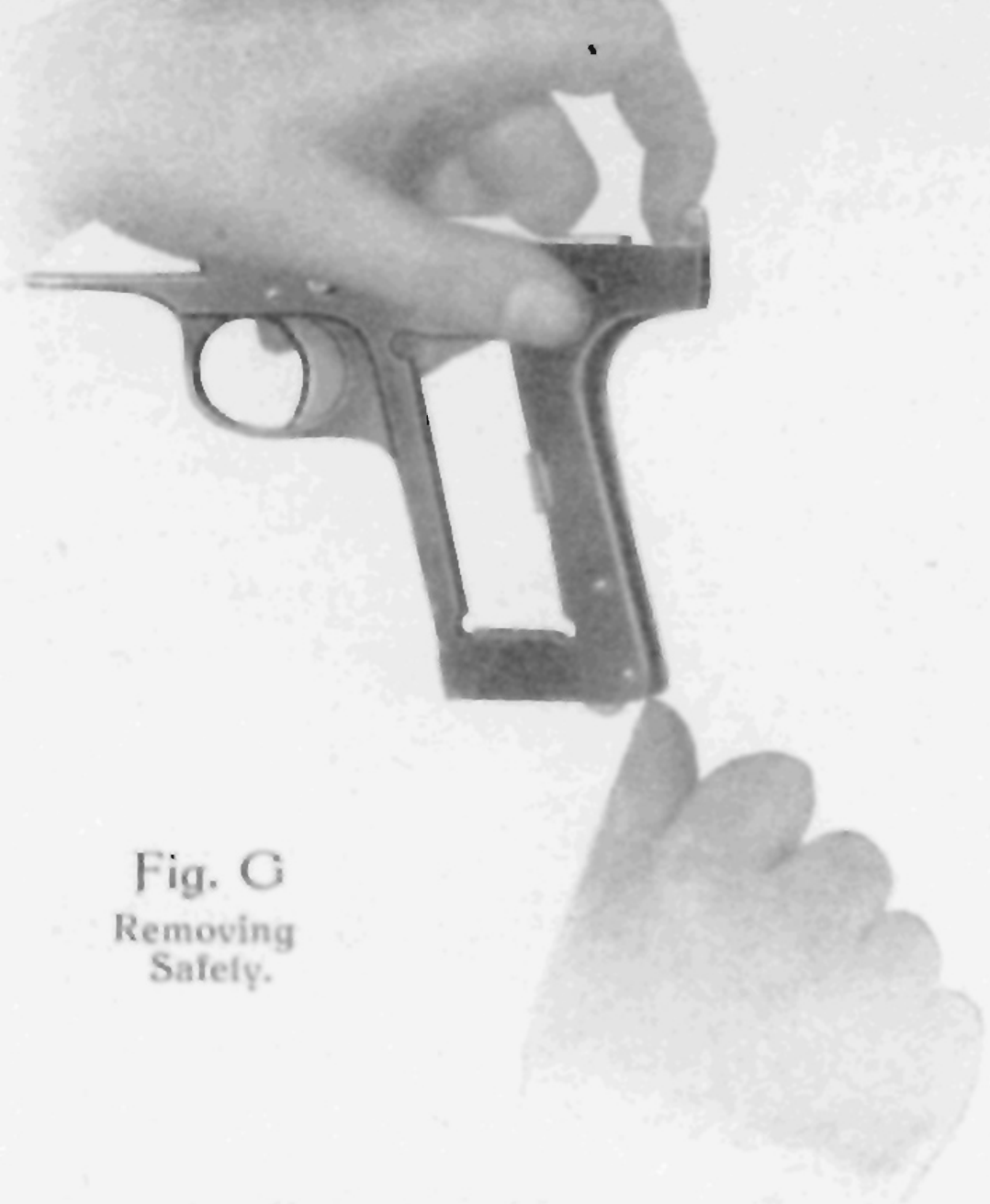


Fig. G
Removing
Safety.

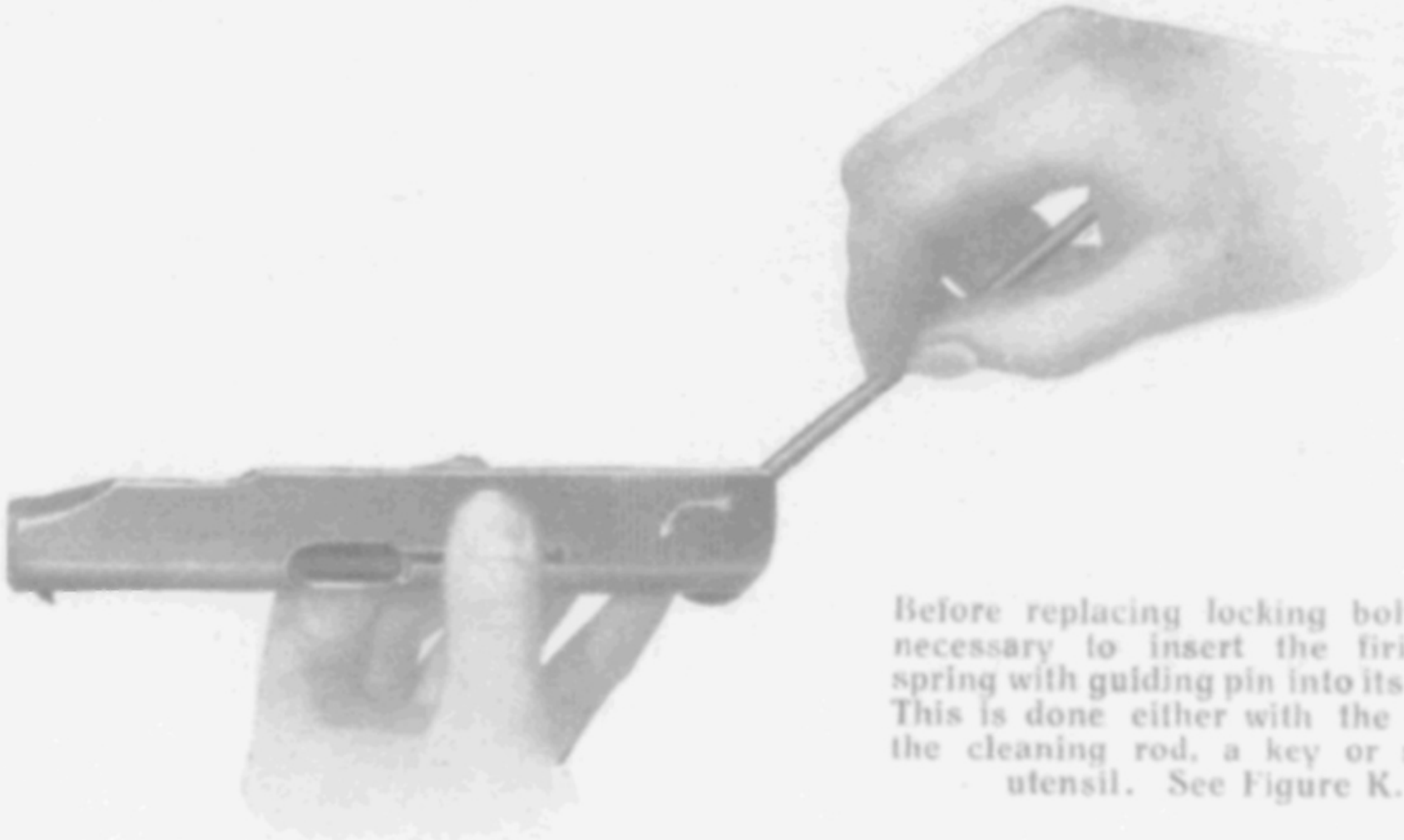
Fig. H Removing Sear and Interceptor.

As soon as a cartridge is in the barrel the pistol must be safed, this is done by pressing upon the button of the safety, on the left side of the pistol (7) with the thumb, and can be plainly heard. When safed, the firing pin spring is partly released. No other automatic pistol has this feature. The firing is done by grasping the grip tightly, consequently the pistol is ready for use while still safed.

By special desire a double safety can be affixed, the catch must then be removed by pressing a conveniently placed button.

To keep the Pistol in good condition.

The Ortgies-Pistol is an arm of precision of the highest quality, and as such, wants the same care as any other arm of precision to insure reliable operation. Where the pistol is carried in the pocket daily without a case, it is necessary to clean it at short intervals by taking off locking bolt, drawing with the aid of the cleaning rod, a soft rag through the barrel, wiping clean and re-oiling.



Before replacing locking bolt, it is necessary to insert the firing pin spring with guiding pin into its recess This is done either with the end of the cleaning rod, a key or similar utensil. See Figure K.

Fig. K

Replacing Firing Pin Spring.

When the pistol has been fired, the barrel ought to be cleaned as soon as possible and all traces of the powder residue removed. Any of the well known solvents will answer the purpose.

In regard to test we should like to mention that the accuracy of all pistols, as they come from the works, is regularly & most carefully examined. Certain numbers are picked out & tested with 1000 Shots & more during which time they are frequently taken apart & at the end of the test there is no deviation whatever. We consider this an excellent result.

Its shooting accuracy, its extreme simplicity, its perfect interchangeability of parts, its safety device etc. make it one of the best pistols on the market.

The high efficiency of the Ortgies Pistol is proved by the fact, that at all principal German Pistol Shooting Competitions during 1921 our Cal. 7,65 (32) has won more than 70% of the prizes and at the Champion Shooting Competition at Halensee on September 26th. the Champion Mr. Jänich used the Ortgies Pistol

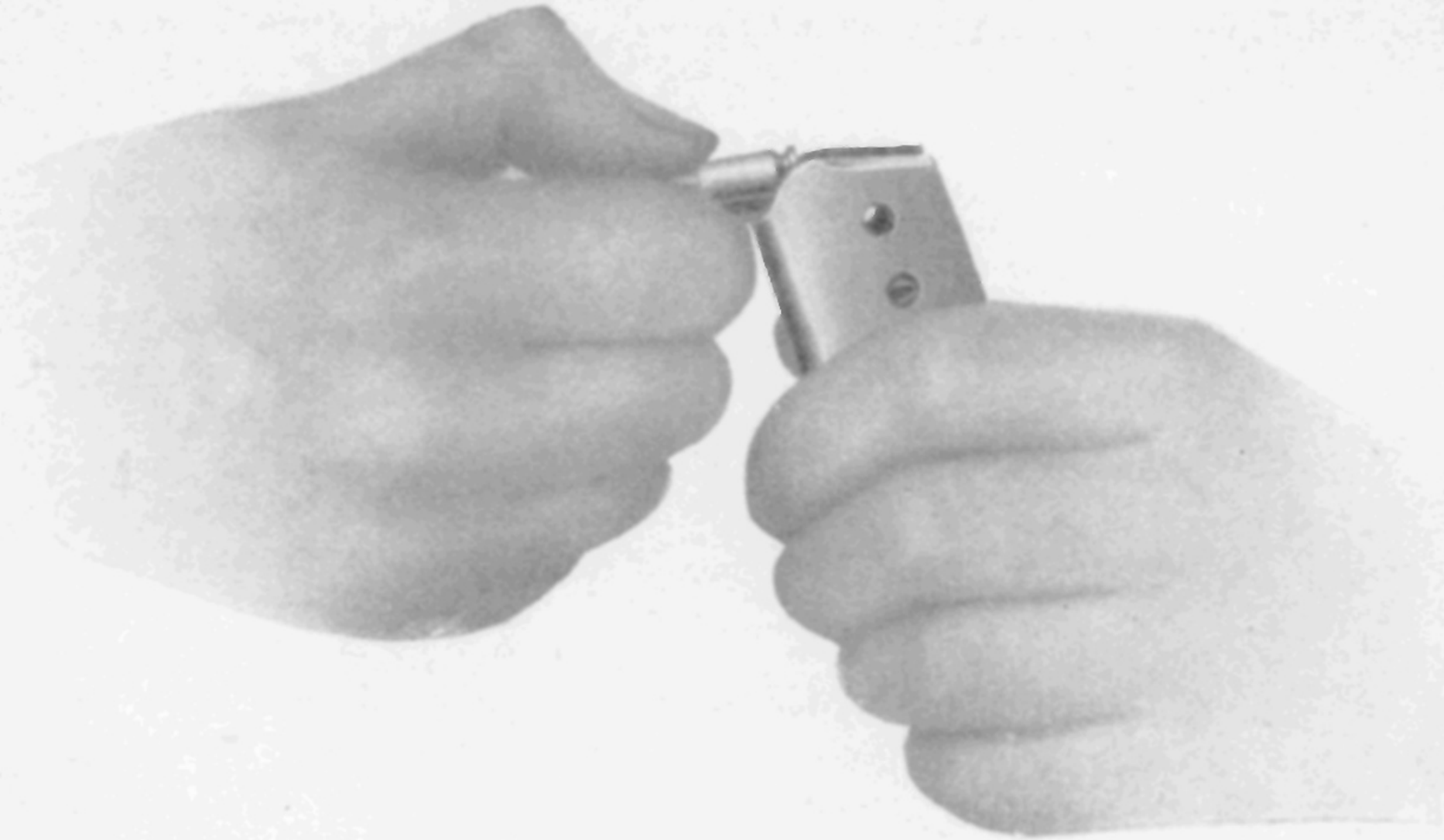
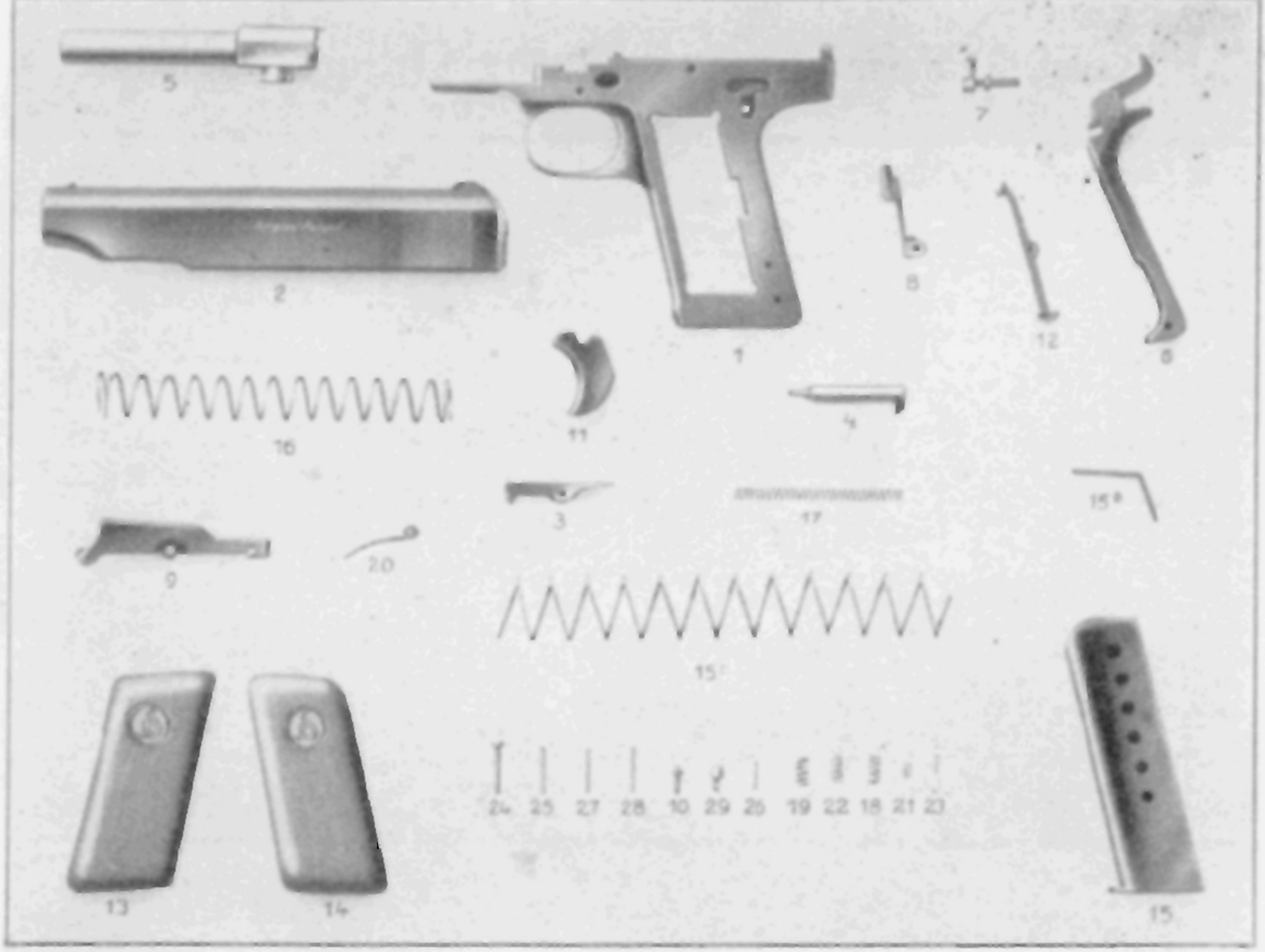


Fig. L. Filling of Magazine.

COMPONENT PARTS OF THE ORTGIES PISTOL

1. Frame
2. Locking Bolt
3. Extractor
4. Firing Pin
5. Barrel
6. Safety
7. Safety Ratchet
8. Handle Holder
9. Sear
10. Interceptor
11. Trigger
12. Magazine Holder
13. Left Handle } Grips
14. Right Handle }
15. Magazine
15b Follower
15c Follower Spring
16. Recoil Spring
17. Firing Pin Spring
18. Safety Spring
19. Spring for Magazine and Handle Holder
20. Sear Spring
21. Extractor Spring
22. Trigger Spring
23. Interceptor Spring
24. Guiding Pin
25. Safety Pin
26. Extractor Pin
27. Trigger Pin
28. Pin for Magazine Holder
29. Guiding Pin for Trigger Spring


5
2
1
8
7
12
6
10
11
4
3
17
15a
9
20
15c
24 25 27 28 10 29 26 19 22 18 21 23
13
14
15

Useful Information about the Ortgies Pistol

		Gauge 6,35 mm	Gauge 7,65 mm
Shooting accuracy by a distance of 25 m	Height . . cm	10	6
	Breadth . . "	8	5
Shooting accuracy by a distance of 50 m	Height . . cm	—	14
	Breadth . . "		11
Shooting accuracy by a distance of 75 m	Height . . "	—	23
	Breadth . . "	—	20
Shooting accuracy by a distance of 100 m	Height . . "	—	33
	Breadth . . "	—	30

Shooting ranges in meters by elevation angles of

Gauge 6,35 mm	10°	600 m	Gauge 7,65 mm	10°	800 m
" " "	12°	675 m	" " "	14°	925 m
" " "	14°	725 m	" " "	18°	1050 m
" " "	15°	750 m	" " "	22°	1150 m
" " "	16°	700 m	" " "	26°	1200 m
" " "	18°	650 m	" " "	28°	1000 m
			" "	30°	750 m

Greatest range

Gauge 6,35 mm by an elevation angle of 15°	750 m
Gauge 7,65 mm by an elevation angle of 26°	1200 m

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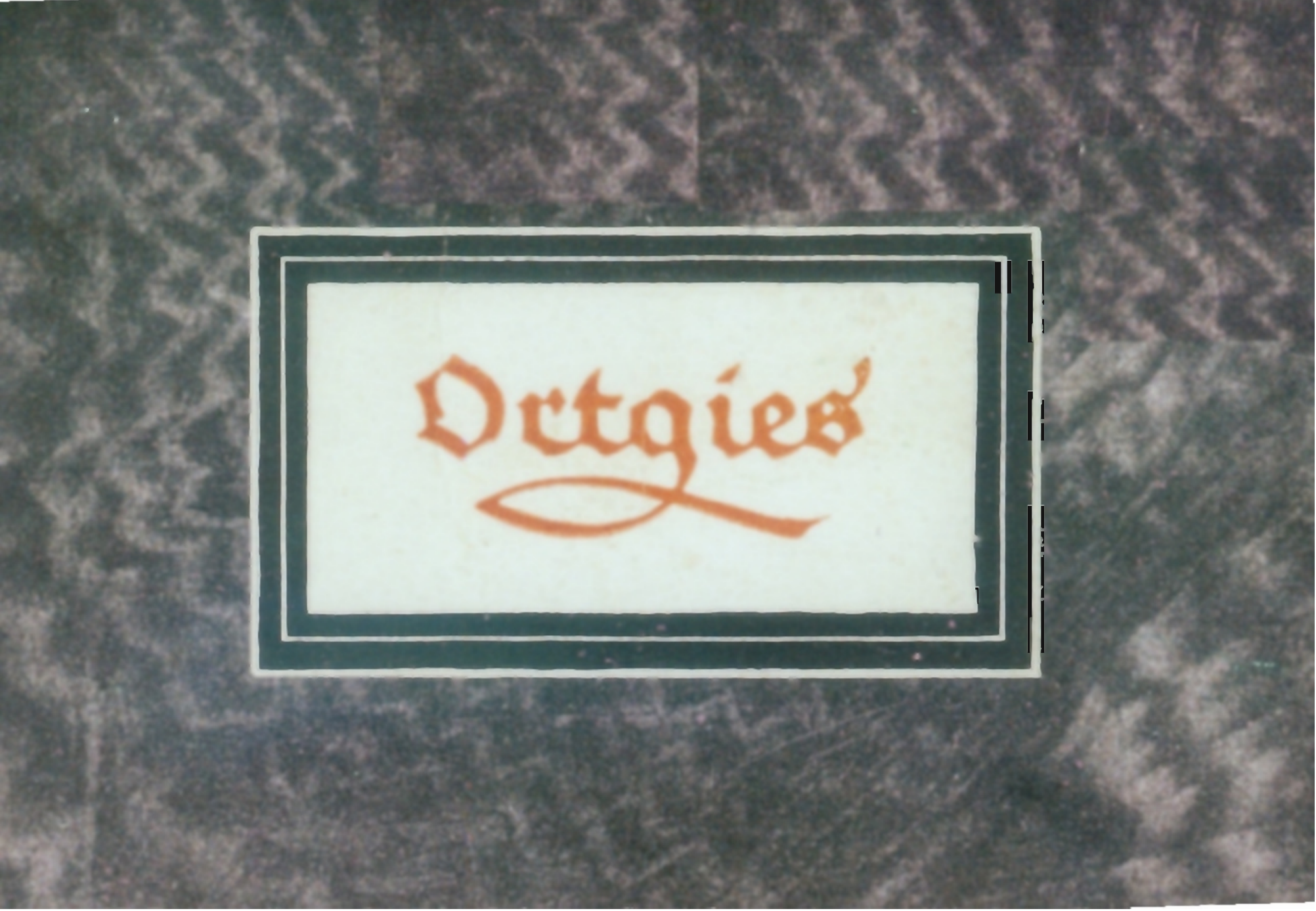
Gauge	6,35	7,65 mm
Total length of the pistol . . . . . mm	132	163
Height . . . . . "	87	112
Thickness . . . . . "	19	22
Weight of the pistol with empty magazine . . . . . gr	375	610
Weight of the pistol with full magazine . . . . . "	415	675
Powder charge . . . . . "	0,15	0,20
Weight of bullet . . . . . "	3,25	4,60
Pressure of gas . . . . . kg/□cm	10,25	9,82
Velocity of bullet 12,5 m before muzzle . . . . . ms	255	315
Energy of bullet 12,5 m before muzzle . . . . . m/kg	10,8	23,3
Elevation of 100 m trajectory to 50 m distance . . . cm	16	13
Penetration in dry Pine boards (crossbar) at a distance of 25 m	7	7
Penetration in dry Pine boards (crossbar) at a distance of 50 m	6	6 1/2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